

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A back light device for use in a liquid crystal display device, comprising:

at least one lamp;

a light guide plate for guiding light emitting from the lamp;

a diffusing sheet for diffusing light emitting from the light guide plate;

at least one prism sheet located on the diffusing sheet, concentrating light;

a protecting sheet located on the prism sheet;

a reflector located under the light guide plate, reflecting light directing downward the light guide plate,

wherein at least one of an edge portion of the diffusing sheet adjacent to the lamp, an edge portion of the protecting sheet adjacent to the lamp, or the reflector includes a printing portion made of colorless ink containing a light scattering agent.

2. (Previously Presented) The back light device of claim 1, wherein there are two lamps.

3. (Previously Presented) A liquid crystal display device, comprising:

a liquid crystal panel including two substrates with a liquid crystal layer interposed therebetween;

a back light device including:

a) at least one lamp;

b) a light guide plate for guiding light emitting from the lamp;
c) a diffusing sheet for diffusing light emitting from the light guide plate;
d) at least one prism sheet located on the diffusing sheet, concentrating light;
e) a protecting sheet located on the prism sheet;
f) a reflector located under the light guide plate, reflecting light directing downward the light guide plate,

wherein at least one of an edge portion of the diffusing sheet adjacent to the lamp, an edge portion of the protecting sheet adjacent to the lamp, or the reflector includes a printing portion made of colorless ink containing a light scattering agent.

4. (Previously Presented) The display device of claim 3, wherein there are two lamps.

5. (Previously Presented) The back light device of claim 1, wherein the light guide plate has a plurality of patterns.

6. (Previously Presented) The back light device of claim 5, wherein the patterns are dots.

7. (Previously Presented) The display device of claim 3, wherein the light guide plate has a plurality of patterns.

8. (Previously Presented) The display device of claim 7, wherein the patterns are dots.

9. (Previously Presented) The back light device of claim 1, wherein light reflected from a bottom surface of the device causes constructive interference with light emitting from the lamp, whereby a bright line is prevented.

10. (Previously Presented) The display device of claim 3, wherein light reflected from a bottom of the display device causes constructive interference with light emitted from the lamp, thereby preventing a bright line.

11. (Previously Presented) A back light device for use in a liquid crystal display device, comprising:

at least one lamp;

a light guide plate for guiding light emitting from the lamp;

a diffusing sheet for diffusing light emitting from the light guide plate;

at least one prism sheet located on the diffusing sheet, concentrating light;

a protecting sheet located on the prism sheet;

a reflector located under the light guide plate, reflecting light directing downward the light guide plate,

wherein at least one of an edge portion of the protecting sheet adjacent to the lamp or the reflector includes a printing portion made of colorless ink containing a light scattering agent.

12. (Previously Presented) A liquid crystal display device, comprising:

a liquid crystal panel including two substrates with a liquid crystal layer interposed therebetween;

a back light device including:

a) at least one lamp;

b) a light guide plate for guiding light emitting from the lamp;

c) a diffusing sheet for diffusing light emitting from the light guide plate;

d) at least one prism sheet located on the diffusing sheet, concentrating light;

e) a protecting sheet located on the prism sheet;

f) a reflector located under the light guide plate, reflecting light directing downward the light guide plate,

wherein at least one of an edge portion of the protecting sheet adjacent to the lamp or the reflector includes a printing portion made of colorless ink containing a light scattering agent.

13. (Previously Presented) The back light device of claim 11, wherein there are two lamps.

14. (Previously Presented) The back light device of claim 12, wherein there are two lamps.

15. (Previously Presented) The back light device of claim 11, wherein the light guide plate has a plurality of patterns.

16. (Previously Presented) The back light device of claim 15, wherein the patterns are dots.

17. (Previously Presented) The display device of claim 12, wherein the light guide plate has a plurality of patterns.

18. (Previously Presented) The display device of claim 17, wherein the patterns are dots.

19. (Previously Presented) The back light device of claim 11, wherein light reflected from a bottom surface of the device causes constructive interference with light emitting from the lamp, whereby a bright line is prevented.

20. (Previously Presented) The display device of claim 12, wherein light reflected from a bottom of the display device causes constructive interference with light emitted from the lamp, thereby preventing a bright line.

21. (New) A back light device for use in a liquid crystal display device, comprising:
at least one lamp;
a light guide plate for guiding light emitting from the lamp;
a diffusing sheet for diffusing light emitting from the light guide plate;
at least one prism sheet located on the diffusing sheet, concentrating light;
a protecting sheet located on the prism sheet; and

a reflector located under the light guide plate, reflecting light directing downward the light guide plate,

wherein at least one of an edge portion of the diffusing sheet adjacent to the lamp, an edge portion of the protecting sheet adjacent to the lamp, or the reflector includes a printing portion made of colorless ink containing a light scattering agent, and the printing portion has a convex and concave surface topology.